

REMARKS

This application has been reviewed in light of the Office Action dated August 21, 2007. Claims 69, 71-75, 77-80 and 82 are presented for examination, of which Claims 69 and 75 are in independent form. Claims 70 and 76 have been canceled, without prejudice or disclaimer of subject matter. Claims 69 and 75 have been amended to define still more clearly what Applicants regard as their invention. Favorable reconsideration is requested. The canceled claims will not be further addressed herein.

The specification has been amended to conform the Summary of Invention section to the amended claims.

Claims 69, 71, 72, 74, 75, 77, 78, 80 and 82 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,870,571 (Narushima) in view of U.S. Patent No. 6,695,494 (Ihara et al.); and Claims 73 and 79 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Narushima in view of Ihara et al., and in further view of Japanese Patent No. 07-076155 (Nabeta).

As shown above, Applicants have amended independent Claims 69 and 75 in terms that more clearly define what they regard as their invention. Applicants submit that these amended independent claims, together with the remaining claims dependent thereon, are patentably distinct from the cited prior art for at least the following reasons.

Claim 69 is directed to a television broadcasting data receiving apparatus. The apparatus includes: (1) a receiving unit adapted to receive television broadcasting data which includes image data of a broadcasting program, printing data related to the broadcasting program, and print additional information for notifying a user of an attribute of the printing data;

(2) a print controlling unit adapted to output the printing data included in the television broadcast data received by the received unit to a printing apparatus; (3) an acquiring unit adapted to extract the print attribute information from the television broadcasting data received by the receiving unit; and (4) a display control unit adapted to generate display data on the basis of the print additional information acquired by the acquiring unit and output, to a display device, the display data together with the image data included in the television broadcasting data received by the receiving unit. The print additional information included in the television broadcasting data includes at least one of information indicating a print sheet size of the printing data, information indicating the number of the print sheets of the printing data, and information indicating the type of the printing data.

Among other notable features of Claim 69 are: (1) a receiving unit adapted to receive television broadcasting data which includes image data of a broadcasting program, printing data related to the broadcasting program, and print additional information for notifying a user of an attribute of the printing data, wherein the print additional information included in the television broadcasting data includes at least one of information indicating a print sheet size of the printing data, information indicating the number of the print sheets of the printing data, and information indicating the type of the printing data; and (2) a display control unit adapted to generate display data on the basis of the print additional information acquired by the acquiring unit and output, to a display device, the display data together with the image data included in the television broadcasting data received by the receiving unit. By virtue of the structure recited in Claim 69, the user can be notified of the print additional information indicating the attribute of the printing data, so that the user can recognize a print sheet size of the printing data, the number

of the print sheets of the printing data, and the type of the printing data.

Narushima relates to a digital broadcasting reception system including a receiver for receiving signals transmitted by digital broadcasting, a display for displaying the images and/or the sounds of the signals transmitted by digital broadcasting and received by the receiver, and a printer for printing any of the images of the received signals. Narushima discusses that digital signals including moving image information, still image information and SI (Service Information) are provided to an STB 30 (set top box)(column 9, lines 39-43), and that the SI information may include “EPG (Electronic Program Guide) information an detailed program information as well as other pieces of information.” (column 10, lines 52-56). However, Narushima fails to teach or print additional information for notifying a user of an attribute of printing data as recited in Claim 69 and, therefore, also does not disclose that a display control unit is adapted to generate display data on the basis of the print additional information and output, to a display device, the display data together with image data included in received television broadcasting data, as recited in Claim 69.

The Office Action acknowledges, on pages 3-4 of the Office Action, that “Narushima does not disclose expressly print additional information indicating an attribute of the printing data and a display control unit adapted to generate display data on the basis of the print additional information acquired by said acquiring unit and output, to a display device, the display data together with the image data included in the television broadcasting data received by said receiving unit.” However, the Office Action inconsistently asserts, on page 5, that “Narushima further discloses wherein the print additional information includes at least one of information indicating a print sheet size of the printing data, information indicating the number of the print

sheets of the printing data, and information indicating the type of the printing data.” Applicants respectfully submit that since the Office Action acknowledges that Narushima does not disclose print additional information indicating an attribute of the printing data, it clearly cannot disclose that the print additional information includes at least one of information indicating a print sheet size of the printing data, information indicating the number of the print sheets of the printing data, and information indicating the type of the printing data.

The Office Action cites column 9, line 21 - column 11, line 5; column 15, lines 5-36; column 16, line 46-column 17, line 6; column 21, line 64-column 23, line 35 and column 25, line 43-column 26, line 40 as disclosing this feature. Applicants respectfully disagree. While those passages discuss, among other things, that SI information that may include EPG information and detailed program information as well as other pieces of information, nothing in the cited passages teaches or suggests “a receiving unit adapted to receive television broadcasting data which includes image data of a broadcasting program, printing data related to the broadcasting program, and print additional information for notifying a user of an attribute of the printing data ... ,wherein the print additional information included in the television broadcasting data includes at least one of information indicating a print sheet size of the printing data, information indicating the number of the print sheets of the printing data, and information indicating the type of the printing data,” as recited in Claim 69 (emphasis added).¹

It follows, therefore, that Narushima fails to teach or suggest “a display control

^{1/} In addition, it should be noted that information on a size of image content, an out-of paper error of paper jam, and the like, provided by a printing control signal as discussed in column 13 lines 24-34 of Narushima is information which is generated in STB 30 or a printing apparatus 32 in the printing process, and therefore, such information is distinguishable from information which is included in received television broadcasting data.

unit adapted to generate display data on the basis of the print additional information acquired by said acquiring unit and output, to a display device, the display data together with the image data included in the television broadcasting data received by said receiving unit,” as recited in Claim 69.

Ihara fails to remedy the deficiencies of Narushima. Ihara relates to an image printing system in which it is possible to set the quality in printing text or an image consistent with a user's request. The image printing system includes an antenna 2 for receiving moving pictures broadcast using, e.g., a communication satellite, a set top box (STB) 3 for processing the received moving picture data in a pre-set fashion, a television device 4 for displaying moving and still pictures and a printer device 5 for printing and outputting an image. The STB 3 includes, among other things, an actuating input unit 21, fed with a command from a user, and a CPU 23 for controlling various components. Ihara discusses that the actuating input unit 21 generates an actuating input signal by user operation for transiently pausing the moving picture displayed on the television device 4 to print the still image by the printer device 5, wherein the actuating input signal specifies printing sheet type setting, printing sheet size setting and the like depending on a printing setting picture displayed on a television device 4 (see column 10 lines 6-19). However, Ihara does not teach or suggest that print additional information such as information indicating a print sheet size of the printing data, information indicating the number of the print sheets of the printing data, or information indicating the type of the printing data, is included in the broadcasting data to be received. As discussed above, while the actuating input signal may specify print sheet size, the actuating input signal is not included in the received broadcast signal. Rather, it is generated by the actuating input unit 21 by user operation. Thus, Applicants have

found nothing in Ihara that would teach or suggest “a receiving unit adapted to receive television broadcasting data which includes image data of a broadcasting program, printing data related to the broadcasting program, and print additional information for notifying a user of an attribute of the printing data” or “a display control unit adapted to generate display data on the basis of the print additional information acquired by said acquiring unit and output, to a display device, the display data together with the image data included in the television broadcasting data received by said receiving unit, wherein the print additional information included in the television broadcasting data includes at least one of information indicating a print sheet size of the printing data, information indicating the number of the print sheets of the printing data, and information indicating the type of the printing data,” as recited in Claim 69 (emphasis added).

Accordingly, Applicants submit that Claim 69 is patentable over Narushima and Nabeta, whether considered separately or in any permissible combination (if any).

A review of the other art of record, including Nabeta, has failed to reveal anything which, in Applicants’ opinion, would remedy the deficiencies of the art discussed above, as a reference against Claim 69.

Independent Claim 75 is a method claim corresponding to apparatus Claim 69, and is believed to be patentable over the cited prior art for at least the same reasons as discussed above in connection with Claim 69.

The other claims in this application are each dependent from one or another of the independent claims discussed above and are therefore believed patentable for the same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual reconsideration of the patentability of each on its own merits is

respectfully requested.

In view of the foregoing amendments and remarks, Applicants respectfully request favorable reconsideration and early passage to issue of the present application.

Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,

/Jennifer A. Reda/

Jennifer A. Reda

Attorney for Applicants

Registration No.: 57,840

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-3801
Facsimile: (212) 218-2200

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